

Bill Number: H.R. 2638.

Account: RDT&E, Army.

Legal Name of Requesting Entity: Syracuse Research Corporation.

Address of Requesting Entity: 7502 Round Pond Road, North Syracuse, New York 13212.

Provide an earmark of \$3.2 million for the Foliage Penetrating, Reconnaissance, Surveillance, Tracking and Engagement Radar (FORESTER). FORESTER is an airborne sensor system that provides standoff and persistent wide-area surveillance of dismounted troops and vehicles moving through foliage. Designed and developed to fly on the A160 Hummingbird unmanned helicopter, FORESTER is a one-of-a-kind technology providing the warfighter with all-weather, day-night target detection and tracking capability in real-time. The request will provide the funding necessary to transition FORESTER to the user community and apply the technology to additional platforms.

#### EARMARK DECLARATION

### HON. TIM MURPHY

OF PENNSYLVANIA

IN THE HOUSE OF REPRESENTATIVES

*Wednesday, September 24, 2008*

Mr. TIM MURPHY of Pennsylvania. Madam Speaker, Pursuant to the Republican Leadership standards on earmarks, I am submitting the following information regarding earmarks I received as part of H.R. 2638, Consolidated Security, Disaster Assistance, and Continuing Appropriations Act of 2009:

Requesting Member: Congressman TIM MURPHY.

Bill Number: S. 3001.

Account: Department of Defense, Navy, RDT&E, Shipboard System Component Account.

Legal Name of Requesting Entity: Converteam Inc.

Address of Requesting Entity: 610 Epsilon Drive, Pittsburgh, PA 15238.

Description of Request: Appropriation in the amount of \$2 million for Navy Integrated Power System Converter. The Navy initiated the Integrated Power System (IPS) program in 1995 to develop all-electric power systems that can be used in any class of ship; CVN, DDG-1000, CGX and SSN. IPS provides capacity for future combat system upgrades, improved ship survivability, greater flexibility in ship design, and reduced operating and support costs. The Main Propulsion Converters (MPC) form the heart of the IPS concept, and with this development, will provide significant advantages in size, weight and cost reduction across all IPS equipment. In addition, this development will significantly simplify the insertion of advanced weapons. This is an ongoing project with the U.S. Navy.

Requesting Member: Congressman TIM MURPHY.

Bill Number: S. 3001.

Account: Department of Defense, Army, RDT&E, Military Engineering Advanced Technology Account.

Legal Name of Requesting Entity: PPG Industries.

Address of Requesting Entity: 440 College Park Dr., Monroeville, PA 15146.

Description of Request: Appropriation in the amount of \$1 million for Nanotechnology for

Potable Water and Waste Treatment. PPG Industries proposes to use its nanotechnology to water filtration technologies. One such technology applicable to water filtration is nanofiber mats which may be produced in high volumes through an electromechanical spinning technique developed by PPG. These nanofiber mats can be functionalized to sequester water contaminants quickly and efficiently. Additionally, fiberglass can be modified with nano-materials and then films to mitigate waterborne contaminants. The program will address both conventional water treatment and water security needs in a military field environment and the public sector.

Requesting Member: Congressman TIM MURPHY.

Bill Number: S. 3001.

Account: Department of Defense, Navy, RDT&E, Force Protection Advanced Technology Account.

Legal Name of Requesting Entity: Curtiss-Wright.

Address of Requesting Entity: 291 Westec Drive, Mt Pleasant, PA 15666.

Description of Request: Appropriation in the amount of \$1 million for Navy High Power Density Motor Drive. Funding will complete drive design and initiate prototype assembly of High Power Density Motor Drive for Naval Submarine and Surface Ship Applications to meet the Navy's need for a motor drive that is power dense, lightweight, with low distortion and noise, high efficiency and high reliability as a companion to the Extreme Torque Motor (XTM). The drive is the element which provides proper energy to the motor, allowing for variable speed and direction. Advances in control techniques and the combination of several power electronics technologies will enable the development of a drive system design that meets all of the Navy's requirements. The motor concept is based on Harmonically Neutralized Frequency Converter (HNFC) technology, a combination of proven power conversion techniques that have been used for several decades in icebreaker and cruise ship propulsion systems. Integration of this drive technology with XTM motor development offer will enable the design of a complete Navy "system", optimized for high demands of propulsion. This is an ongoing project of the U.S. Navy.

Requesting Member: Congressman TIM MURPHY.

Bill Number: S. 3001.

Account: Department of Defense, Army, RDT&E, Munitions Standardization, Effectiveness and Safety Account.

Legal Name of Requesting Entity: National Center for Defense Manufacturing & Machining.

Address of Requesting Entity: 1600 Technology Way, Latrobe, PA 15650.

Description of Request: Appropriation in the amount of \$1 million for Virtual Opportunity and Information Center (VOICE). The National Center for Defense Manufacturing & Machining (NCDMM) has been working with private industry under congressional support to produce a Virtual Opportunity and Information Center (VOICE) that matches the requirements of DoD and original equipment manufacturers to the capabilities of small to medium manufacturers in Western Pennsylvania. Many of these contracts require state-of-the-art machining tools and techniques in order for the subcontractor to be successful. To assure

small manufacturers bid successfully and fulfill all contract requirements, the NCDMM will work in partnership with industry to build a Virtual Opportunity and Information Center (VOICE). VOICE will match opportunities with job shops, as well as supply best practices and requisite knowledge to solutions in high-speed machining, new machining techniques, use of advanced measuring and testing equipment and protocol, work holding, five-axis machining and other best practices.

Requesting Member: Congressman TIM MURPHY.

Bill Number: S. 3001.

Account: Department of Defense, Army, RDT&E, Weapons and Munitions Advanced Technology Account.

Legal Name of Requesting Entity: Kennametal.

Address of Requesting Entity: 1600 Technology Way, Latrobe, PA 15650.

Description of Request: Appropriation in the amount of \$1.6 million for Advanced Medium Caliber Tungsten Penetrators. Funding is needed to continue development and conduct testing of advanced Tungsten alloys that have the promise to deliver superior performance compared to Depleted Uranium, and Tungsten/Nickel/Cobalt alloys. Funding for this project will continue a multi-phased program that investigates several Tungsten alloy candidates and consolidation techniques. After laboratory characterization, multiple iterations of ballistic testing in a variety of weapons systems are planned. Successful completion of this phase will allow the Army to investigate the use of new Tungsten penetrators in current and FCS weapons systems. The effort will involve the U.S. Army Research Laboratory, Aberdeen, Maryland, and the U.S. Army ARDEC at Picatinny Arsenal, to ensure programs are properly targeted and result in new technology acquisition.

#### UNITED STATES FIRE ADMINISTRATION REAUTHORIZATION ACT OF 2008

SPEECH OF

### HON. DAVID WU

OF OREGON

IN THE HOUSE OF REPRESENTATIVES

*Wednesday, September 24, 2008*

Mr. WU. Mr. Speaker, I am proud to support this legislation to reauthorize the United States Fire Administration (USFA). I want to congratulate Mr. MITCHELL from Arizona for his work on this issue and for being instrumental in the passage of the House version of this bill earlier this year. I also want to commend Chairman Gordon for his leadership of the Committee on Science and Technology throughout the 110th Congress.

USFA was formed by Congress in 1974 in response to a report that found there were over 12,000 deaths annually due to fire in this country and over 300,000 fire injuries each year. Through the hard work of USFA and others, we have been fortunate to see that number drop dramatically.

We are now a much safer nation, thanks to improved awareness of fire safety practices, increased use of smoke detectors and sprinklers, and other fire safety measures. Still, approximately 3,000 people die each year in fires and 10,000 more are injured. We also